

US-PAT-NO: 6103225

DOCUMENT-IDENTIFIER: US 6103225 A

TITLE: Methods of aquaculture by feeding larval shrimp Thraustochytrium and/or Schizochytrium microflora

DATE-ISSUED: August 15, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barclay; William R.	Boulder	CO	N/A	N/A

US-CL-CURRENT: 424/93.1; 119/200, 119/205, 119/215, 119/230, 424/93.7, 426/61, 426/805, 435/257.1, 435/261

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 5985348 A

L2: Entry 4 of 14

File: USPT

Nov 16, 1999

US-PAT-NO: 5985348

DOCUMENT-IDENTIFIER: US 5985348 A

TITLE: Milk products having high concentrations of omega-3 highly unsaturated fatty acids

DATE-ISSUED: November 16, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barclay; William R.	Boulder	CO	N/A	N/A

US-CL-CURRENT: 426/580; 426/2, 426/53, 426/635

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 5908622 A

L2: Entry 5 of 14

File: USPT

Jun 1, 1999

WEST[Generate Collection](#)**Search Results - Record(s) 1 through 10 of 14 returned.**☐ 1. Document ID: US 20010000151 A1

L2: Entry 1 of 14

File: PGPB

Apr 5, 2001

PGPUB-DOCUMENT-NUMBER: 20010000151

PGPUB-FILING-TYPE: new-utility

DOCUMENT-IDENTIFIER: US 20010000151 A1

TITLE: Eggs containing high concentrations of omega-3 highly unsaturated fatty acids and methods for producing the same

PUBLICATION-DATE: April 5, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Barclay, William R.	Boulder	CO	US	

US-CL-CURRENT: [435/254.1](#); [119/6.8](#), [424/93.5](#), [426/53](#), [426/61](#), [426/614](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☐ 2. Document ID: US 6177108 B1

L2: Entry 2 of 14

File: USPT

Jan 23, 2001

US-PAT-NO: 6177108

DOCUMENT-IDENTIFIER: US 6177108 B1

TITLE: Method for producing milk products having high concentrations of omega-3 highly unsaturated fatty acids

DATE-ISSUED: January 23, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barclay, William R.	Boulder	CO	N/A	N/A

US-CL-CURRENT: [426/2](#); [426/580](#), [426/635](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☐ 3. Document ID: US 6103225 A

L2: Entry 3 of 14

File: USPT

Aug 15, 2000

US-PAT-NO: 5908622

DOCUMENT-IDENTIFIER: US 5908622 A

TITLE: Food product containing thraustochytrium and/or schizochytrium
microflora and an additional agricultural based ingredient

DATE-ISSUED: June 1, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barclay; William R.	Boulder	CO	N/A	N/A

US-CL-CURRENT: 424/93.1; 424/93.3, 426/61, 426/807, 435/243, 435/257.1, 435/41,
435/946

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 6. Document ID: US 5698244 A

L2: Entry 6 of 14

File: USPT

Dec 16, 1997

US-PAT-NO: 5698244

DOCUMENT-IDENTIFIER: US 5698244 A

TITLE: Method for raising animals having high concentrations of omega-3 highly
unsaturated fatty acids

DATE-ISSUED: December 16, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barclay; William R.	Boulder	CO	N/A	N/A

US-CL-CURRENT: 426/2; 426/53, 426/635, 426/807

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 7. Document ID: US 5688500 A

L2: Entry 7 of 14

File: USPT

Nov 18, 1997

US-PAT-NO: 5688500

DOCUMENT-IDENTIFIER: US 5688500 A

TITLE: Method of aquaculture comprising feeding microflora having a small cell aggregate size

DATE-ISSUED: November 18, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barclay; William R.	Boulder	CO	N/A	N/A

US-CL-CURRENT: 424/93.1; 426/53, 426/54, 426/601, 426/608, 426/641, 426/649, 435/134, 435/243, 435/254.1, 435/261

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 8. Document ID: US 5656319 A

L2: Entry 8 of 14

File: USPT

Aug 12, 1997

US-PAT-NO: 5656319

DOCUMENT-IDENTIFIER: US 5656319 A

TITLE: Food product with high concentrations of omega-3 highly unsaturated fatty acids

DATE-ISSUED: August 12, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barclay; William R.	Boulder	CO	N/A	N/A

US-CL-CURRENT: 426/574; 426/2, 426/49, 426/53, 426/602, 426/614, 426/643, 426/644, 426/645, 435/134, 435/243, 435/946

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 9. Document ID: US 5518918 A

L2: Entry 9 of 14

File: USPT

May 21, 1996

US-PAT-NO: 5518918

DOCUMENT-IDENTIFIER: US 5518918 A

TITLE: Microfloral biomass having omega-3 highly unsaturated fatty acids

DATE-ISSUED: May 21, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barclay; William R.	Boulder	CO	N/A	N/A

US-CL-CURRENT: 435/257.1; 426/615, 435/946

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☐ 10. Document ID: US PP08999 P

L2: Entry 10 of 14

File: USPT

Nov 29, 1994

US-PAT-NO: PP08999

DOCUMENT-IDENTIFIER: US PP08999 P

TITLE: Distichlis spicata var. Yensen 4A

DATE-ISSUED: November 29, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yensen; Nicholas P.	Tucson	AZ	N/A	N/A

US-CL-CURRENT: PLT/387

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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"ASH FREE DRY WEIGHT".DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	0
"ASH FREE DRY WEIGHT".USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	14

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L2: Entry 10 of 14

File: USPT

Nov 29, 1994

DOCUMENT-IDENTIFIER: US PP08999 P

TITLE: *Distichlis spicata* var. Yensen 4A

DEPR:

The "vigorous growth" as used herein may be characterized as follows. The table below compares growth in terms of dry weight productivity (grams) of the new variety with five wild varieties of *Distichlis*, that were grown under the same conditions (which included five levels of salt from fresh water to near sea water and hence the high standard error of the mean). Also note that ash free dry weight was not determined because *Distichlis*, unlike many other halophytes, does not accumulate salt in the tissues. The five wild varieties selected for this study have typical growth rates observed in other wild varieties and, indeed, were selected for their "vigorous growth as used in the literature". And, compared to other grasses grown in the same salinities, these wild varieties could be said to have "vigorous growth as used in the literature". The dry weights represent entire plants (roots and shoots) grown from "same size" cuttings for four months. By comparison, it is very evident that the new variety is significantly more "vigorous" than the wild varieties considered in the literature to be "vigorous".

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L2: Entry 11 of 14

File: USPT

Aug 23, 1994

US-PAT-NO: 5340742

DOCUMENT-IDENTIFIER: US 5340742 A

TITLE: Process for growing thraustochytrium and schizochytrium using non-chloride salts to produce a microfloral biomass having omega-3-highly unsaturated fatty acids

DATE-ISSUED: August 23, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barclay; William R.	Boulder	CO	N/A	N/A

US-CL-CURRENT: [435/256.8](#); [435/134](#), [435/254.1](#), [435/257.1](#), [435/911](#), [435/946](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Draw Desc	Image
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☐ 12. Document ID: US 5340594 A

L2: Entry 12 of 14

File: USPT

Aug 23, 1994

US-PAT-NO: 5340594

DOCUMENT-IDENTIFIER: US 5340594 A

TITLE: Food product having high concentrations of omega-3 highly unsaturated fatty acids

DATE-ISSUED: August 23, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barclay; William R.	Boulder	CO	N/A	N/A

US-CL-CURRENT: [426/49](#); [426/53](#), [426/601](#), [435/134](#), [435/243](#), [435/946](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Draw Desc	Image
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☐ 13. Document ID: US 5130242 A

L2: Entry 13 of 14

File: USPT

Jul 14, 1992

US-PAT-NO: 5130242

DOCUMENT-IDENTIFIER: US 5130242 A

TITLE: Process for the heterotrophic production of microbial products with high concentrations of omega-3 highly unsaturated fatty acids

DATE-ISSUED: July 14, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barclay; William R.	Boulder	CO	N/A	N/A

US-CL-CURRENT: 435/134; 426/49, 426/53, 426/601, 435/243, 435/946

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 14. Document ID: WO 9408467 A1, AU 9453271 A, US 5340742 A, EP 669809 A1, US 5518918 A, JP 08502405 W, EP 669809 A4, US 5688500 A, AU 687016 B, AU 9745374 A, US 5908622 A, JP 11285376 A, AU 711828 B, AU 200013512 A, US 6103225 A, JP 3127161 B2, JP 2001057881 A

L2: Entry 14 of 14

File: DWPI

Apr 28, 1994

DERWENT-ACC-NO: 1994-150836

DERWENT-WEEK: 200119

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TITLE: Prodn. of microbial prods. with high concn. of omega-3 highly unsaturated fatty acids - for use in aquaculture esp. as feed supplement for shrimp, and as dietary additive for human consumption.

INVENTOR: BARCLAY, W R

PRIORITY-DATA: 1992US-0962522 (October 16, 1992), 1988US-0241410 (September 7, 1988), 1989US-0439093 (November 17, 1989), 1990US-0580778 (September 11, 1990), 1992US-0911760 (July 10, 1992), 1994US-0292490 (August 18, 1994), 1995US-0461137 (June 5, 1995), 1997US-0842874 (April 17, 1997), 2000AU-0013512 (January 20, 2000), 1999US-0270301 (March 15, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9408467 A1	April 28, 1994	E	069	A23L001/00
AU 9453271 A	May 9, 1994	N/A	000	N/A
US 5340742 A	August 23, 1994	N/A	024	C12N001/18
EP 669809 A1	September 6, 1995	E	000	N/A
US 5518918 A	May 21, 1996	N/A	023	C12N001/12
JP 08502405 W	March 19, 1996	N/A	057	C12N001/38
EP 669809 A4	May 21, 1997	N/A	000	N/A
US 5688500 A	November 18, 1997	N/A	021	A01N063/00
AU 687016 B	February 19, 1998	N/A	000	C12N001/00
AU 9745374 A	February 19, 1998	N/A	000	A01K061/00
US 5908622 A	June 1, 1999	N/A	000	A01N063/00
JP 11285376 A	October 19, 1999	N/A	025	C12N001/12
AU 711828 B	October 21, 1999	N/A	000	A01K061/00

AU 200013512 A	April 20, 2000	N/A	000	C12N001/04
US 6103225 A	August 15, 2000	N/A	000	A01K061/00
JP 3127161 B2	January 22, 2001	N/A	028	C12N001/38
JP 2001057881 A	March 6, 2001	N/A	024	C12N001/10

2001057881 A INT-CL (IPC): A01K 61/00; A01K 61/02; A01N 63/00; A23C 9/12; A23D 9/007; A23K 1/16; A23K 1/18; A23L 1/00; A23L 1/20; A23L 1/237; A23L 1/28; C11B 1/02; C11C 3/00; C12N 1/00; C12N 1/02; C12N 1/04; C12N 1/10; C12N 1/12; C12N 1/18; C12N 1/38; C12N 5/00; C12P 7/64; C12N 1/38; C12R 1/645; C12P 7/64; C12R 1/645; C12N 1/10; C12N 1/12; C12R 1/89; C12R 1/90; C12N 1/38; C12R 1/645; C12P 7/64; C12R 1/645; C12N 1/38; C12R 1/645; C12P 7/64; C12R 1/645

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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"ASH FREE DRY WEIGHT".USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	14

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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	"ash free dry weight"	14	<u>L2</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	"ash dry weight" and "microflora" and "feed"	0	<u>L1</u>